

Fig. 1

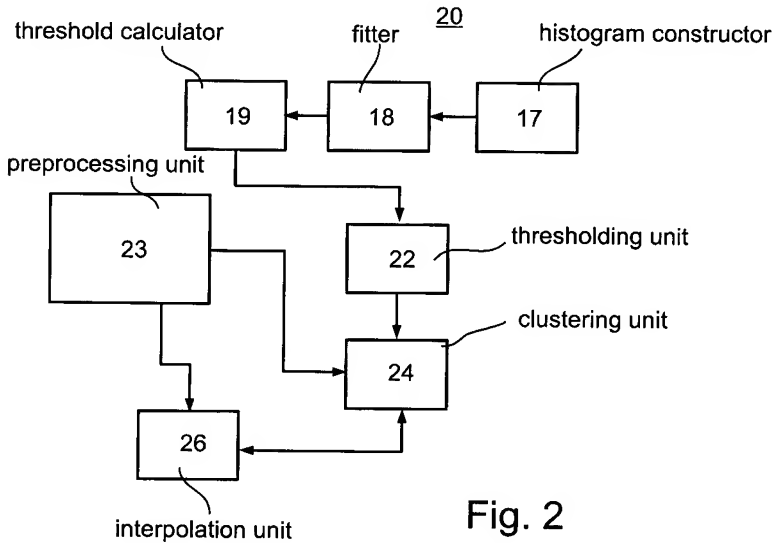


Fig. 2

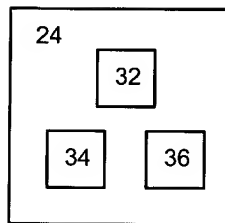


Fig. 3

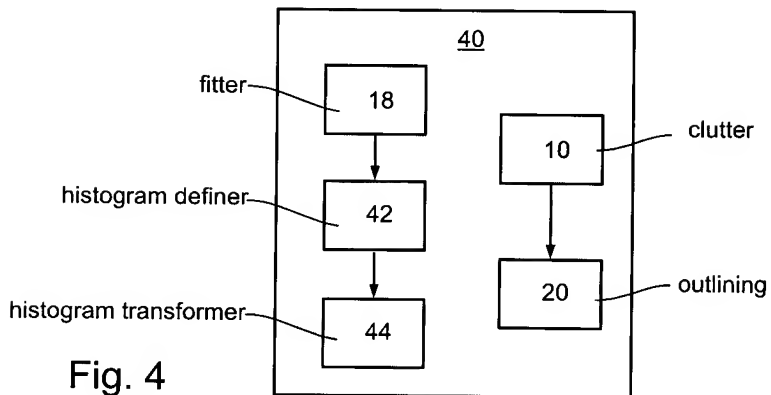


Fig. 4

Histogram manipulation ($Pd1=0.823, Pd2=0.689, Pfa1=0.076, Pfa2=0.039$)

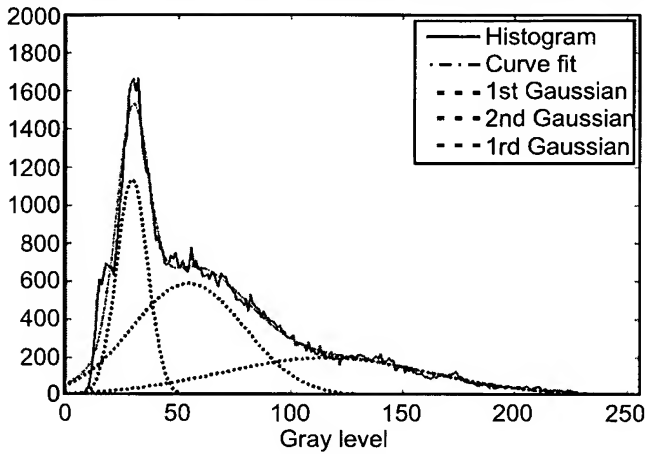


Fig. 5

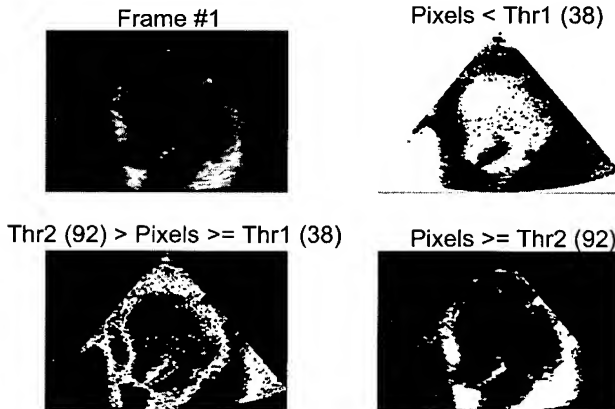


Fig. 6

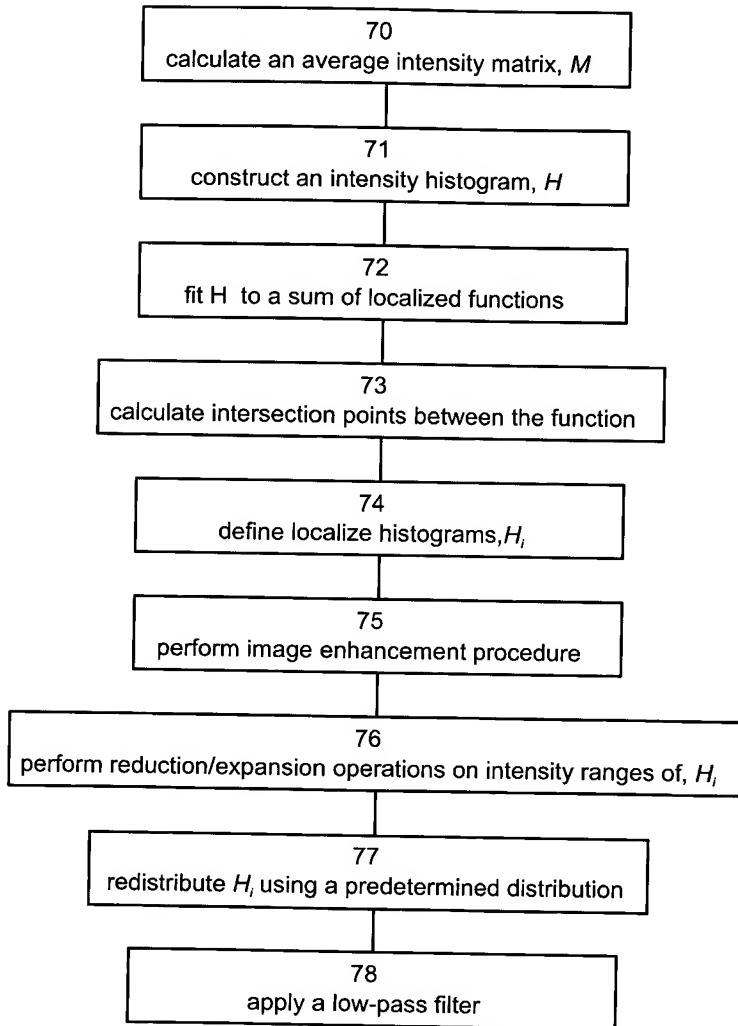


Fig. 7

5/28

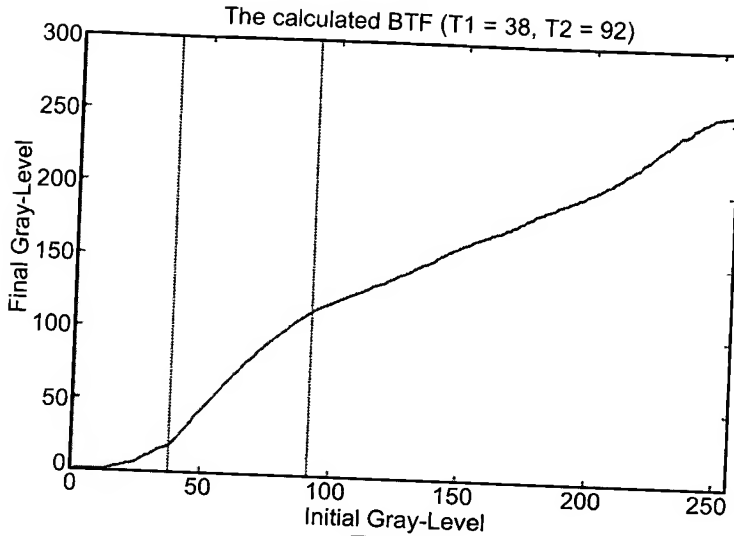


Fig. 8

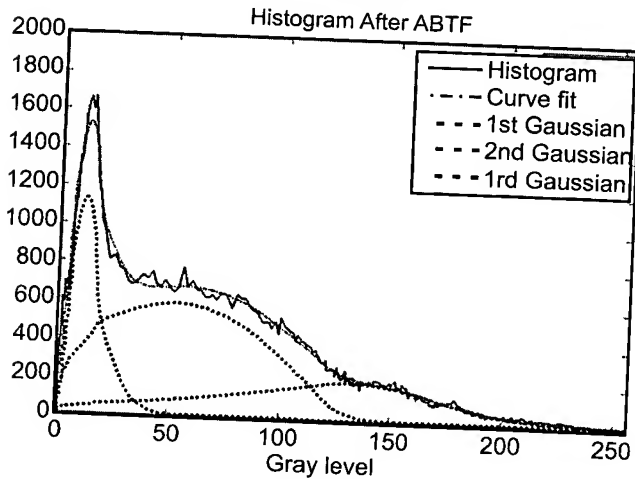


Fig. 9



Fig. 10a



Fig. 10d

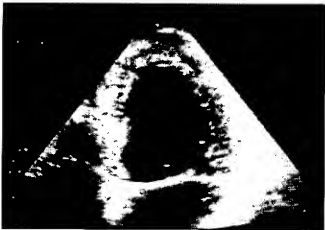


Fig. 10b



Fig. 10e



Fig. 10c



Fig. 10f

7/28

Case #1 Histogram manipulation ($Pd1=0.823, Pd2=0.689, Pfa1=0.076, Pfa2=0.039$)

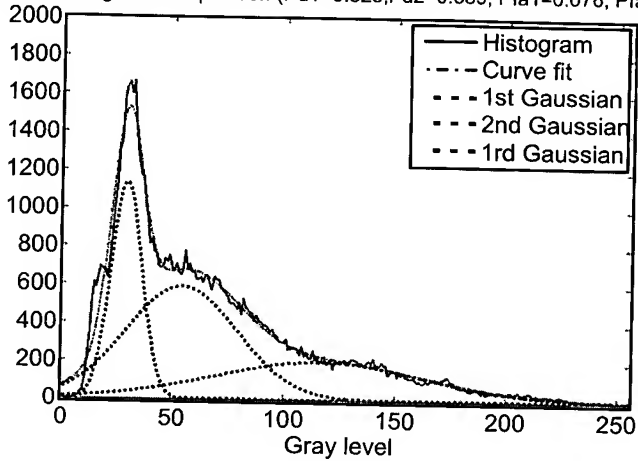


Fig. 11

Case #1, The calculated BTF ($T1 = 38, T2 = 92$)

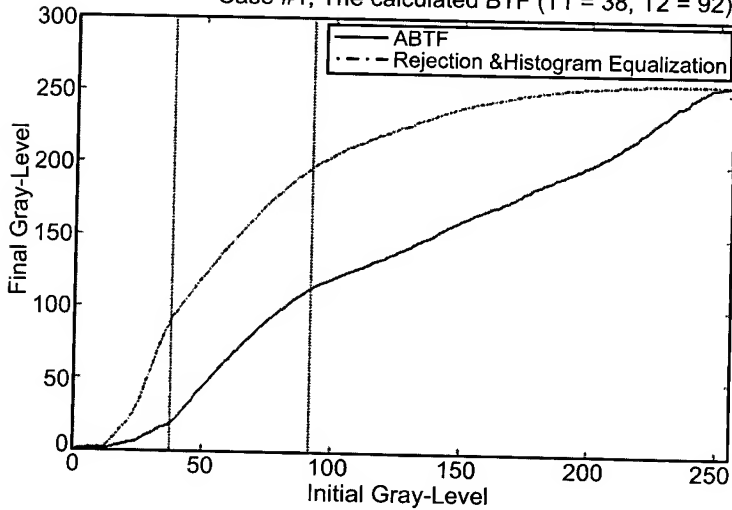


Fig. 12



Fig. 13a



Fig. 13d

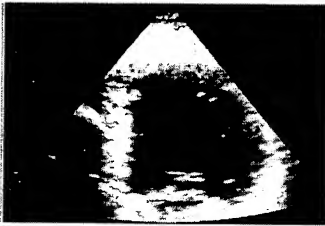


Fig. 13b



Fig. 13e



Fig. 13c

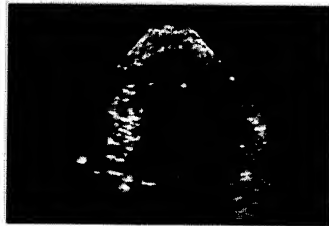


Fig. 13f

9/28

Case #15 Histogram manipulation ($Pd1=0.856, Pd2=0.776, Pfa1=0.190, Pfa2=0.048$)

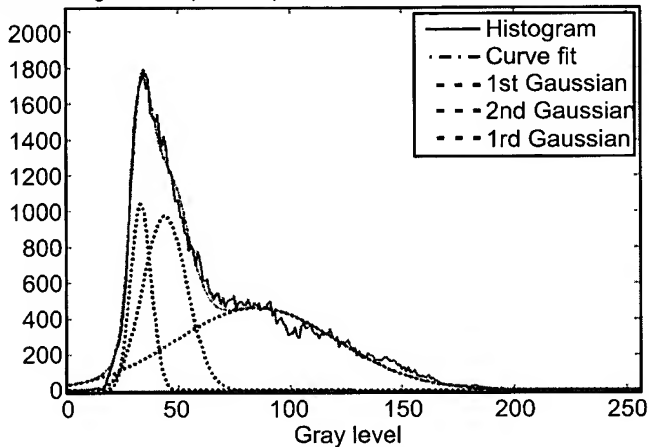


Fig. 14

Case #15, The calculated BTF ($T1 = 36, T2 = 57$)

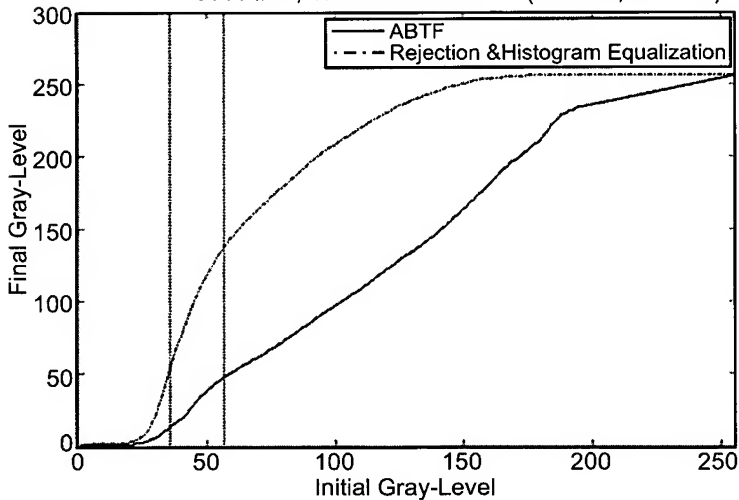


Fig. 15



Fig. 16a



Fig. 16d



Fig. 16b



Fig. 16e



Fig. 16c

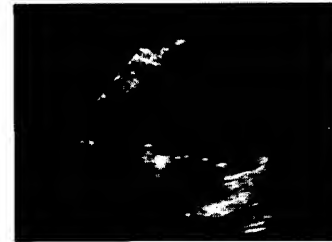


Fig. 16f

11/28

Case #21 Histogram manipulation ($Pd1=0.905$, $Pd2=0.847$, $Pfa1=0.120$, $Pfa2=0.024$)

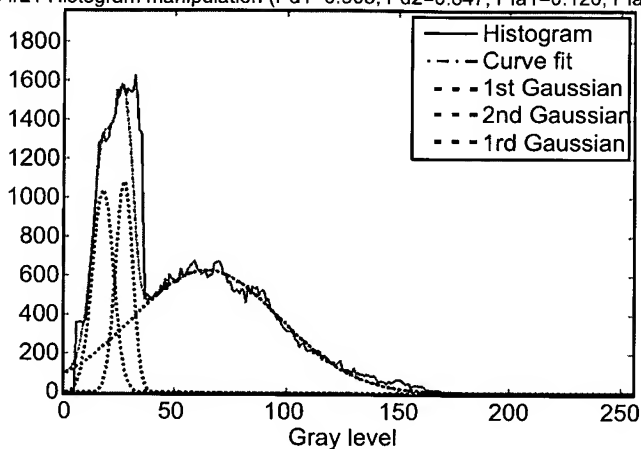


Fig. 17

Case #21, The calculated BTF ($T1 = 22$, $T2 = 32$)

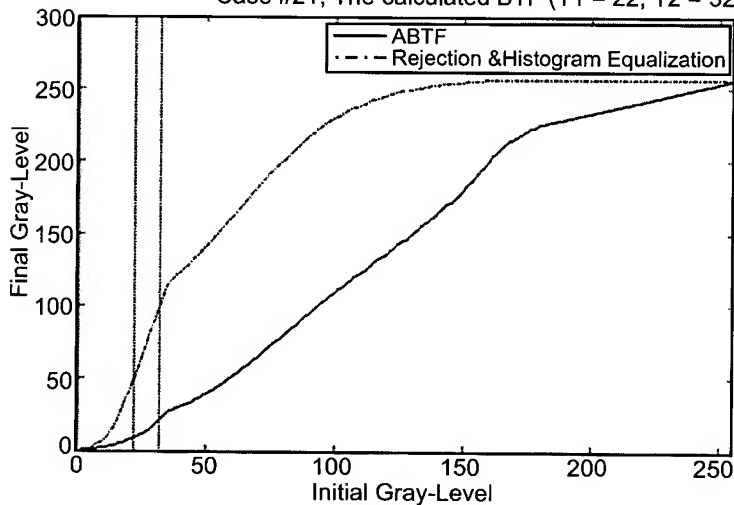


Fig. 18

12/28

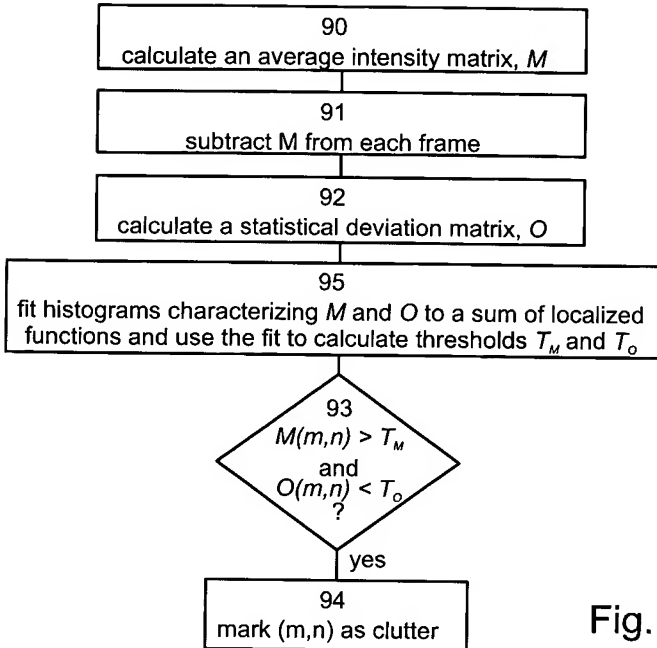


Fig. 19

Case #1 - $M(m,n)$

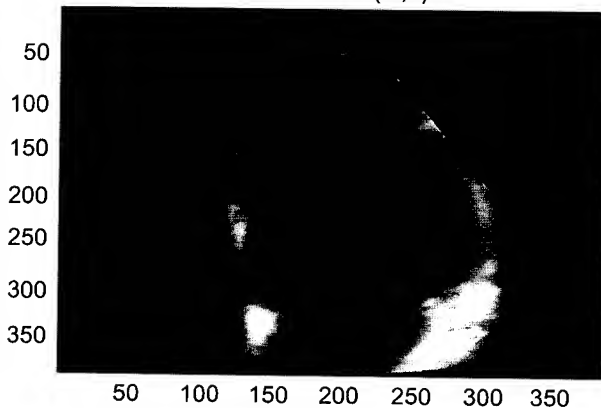


Fig. 20

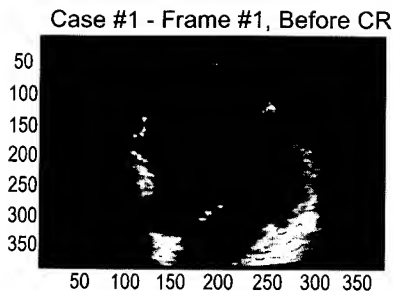


Fig. 21a

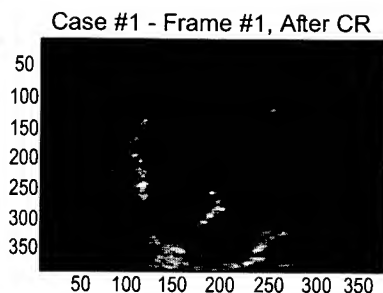


Fig. 21d

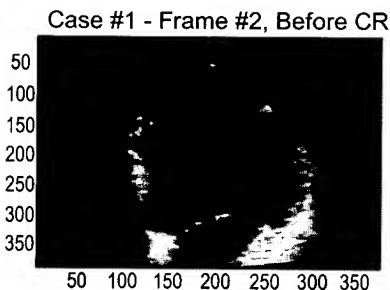


Fig. 21b

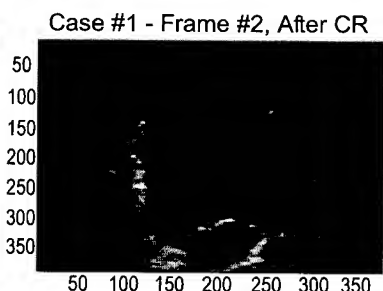


Fig. 21e

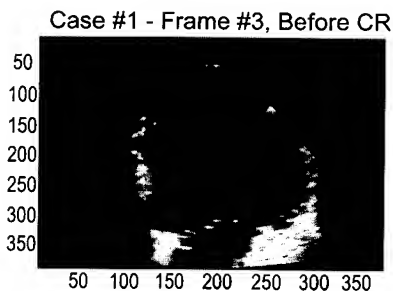


Fig. 21c

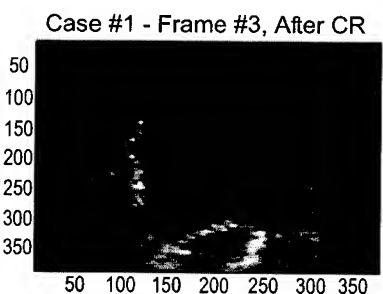


Fig. 21f

14/28

Case #1 - The End-Diastolic Frame

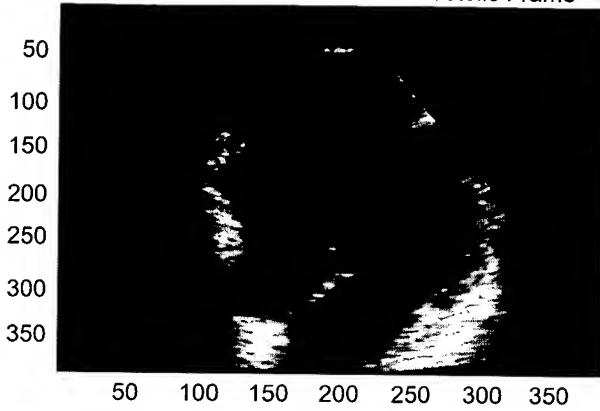


Fig. 22

Case #1 - $M(m,n)$

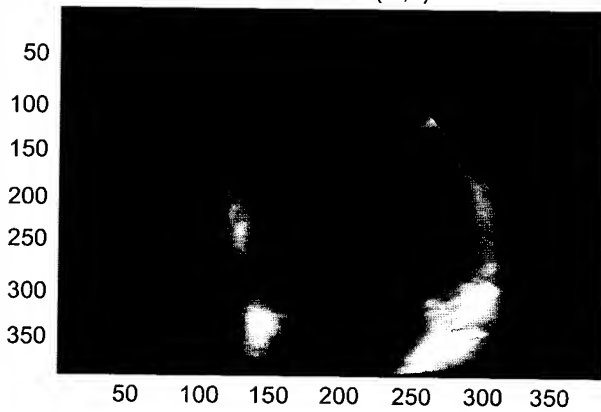


Fig. 23

BEST AVAILABLE COPY

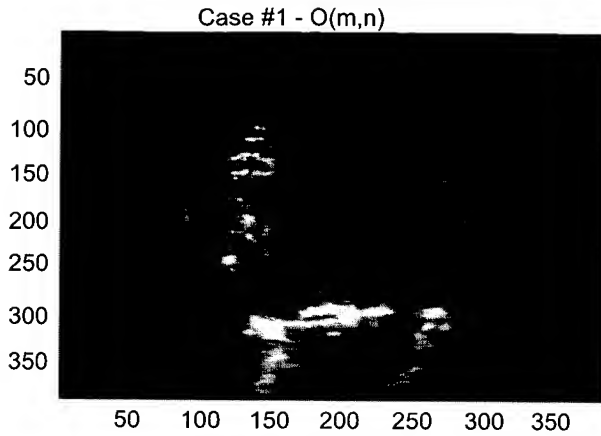


Fig. 24

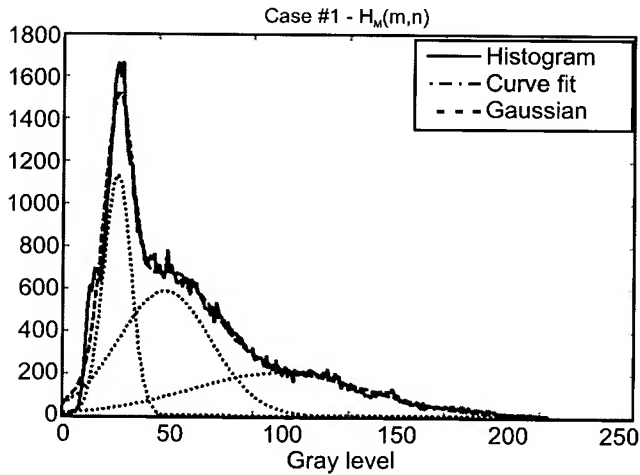


Fig. 25

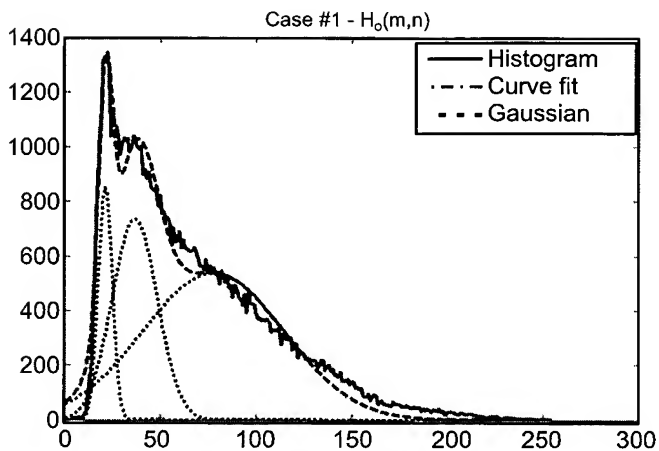


Fig. 26

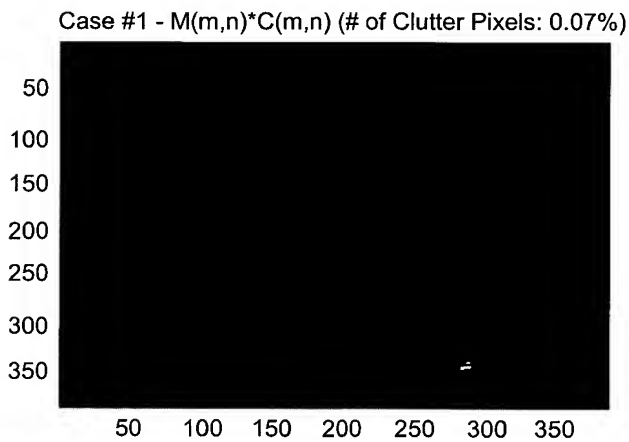


Fig. 27

Case #2 - The End-Diastolic Frame

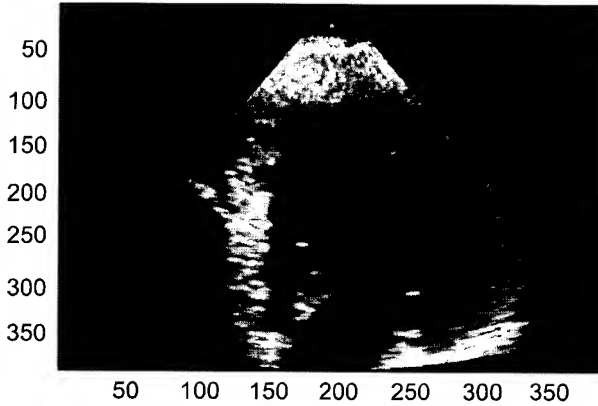


Fig. 28

Case #2 - $M(m,n)$

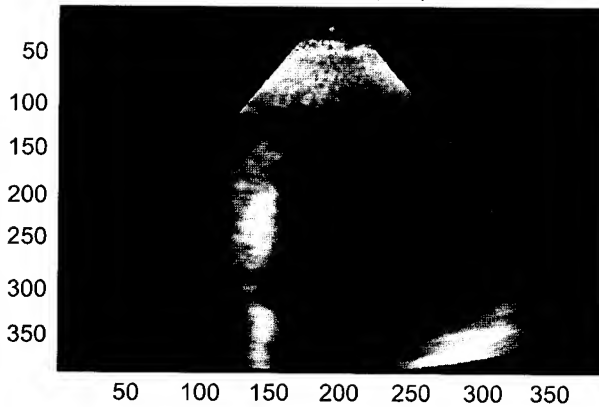


Fig. 29

18/28

Case #2 - $O(m,n)$

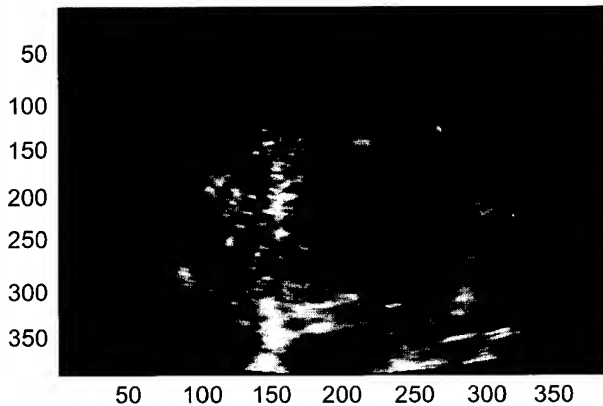


Fig. 30

Case #2 - $H_m(m,n)$

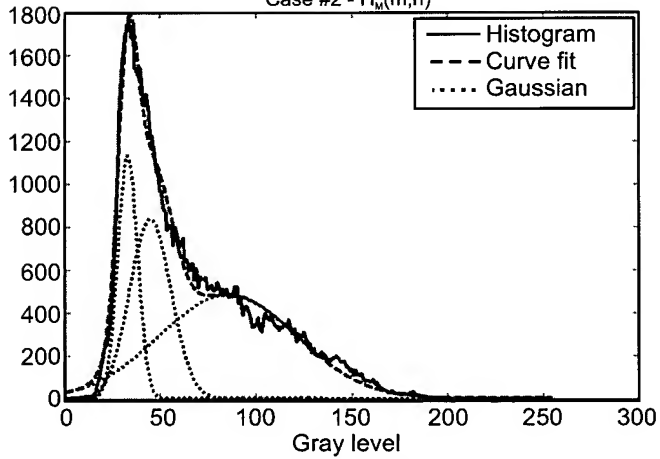


Fig. 31

BEST AVAILABLE COPY

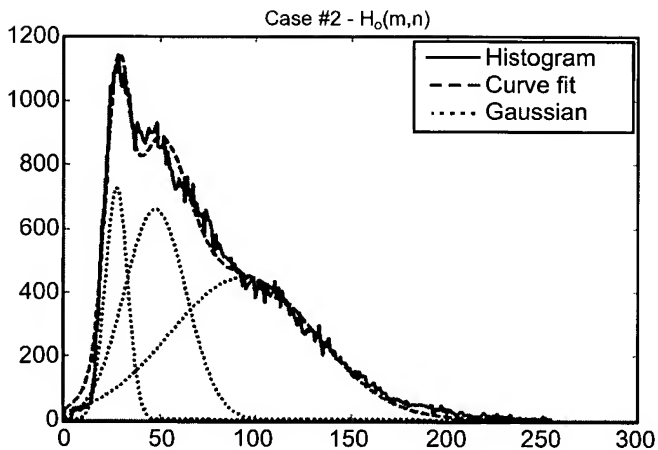


Fig. 32

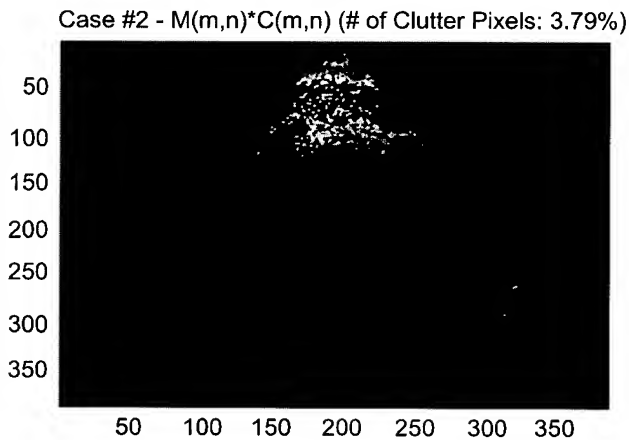


Fig. 33

Case #13 - The End-Diastolic Frame

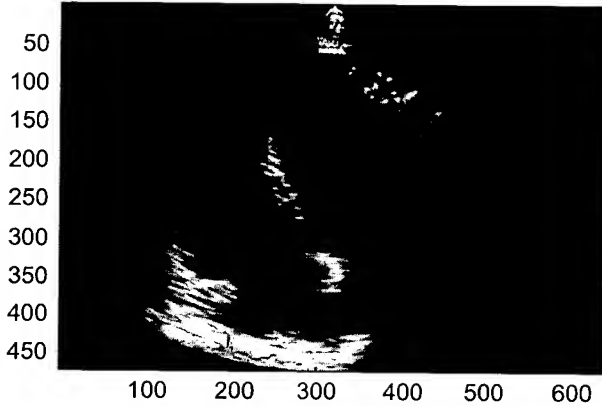


Fig. 34

Case #13 - $M(m,n)$

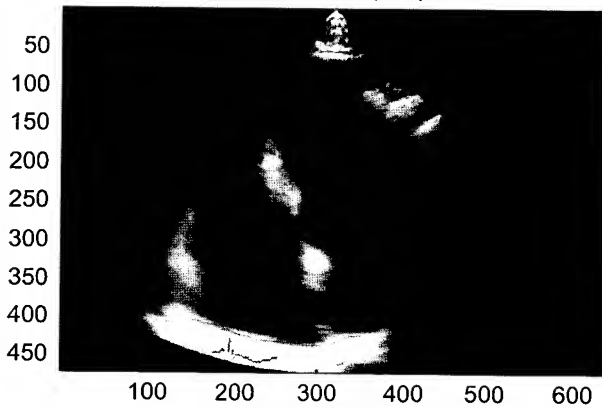


Fig. 35

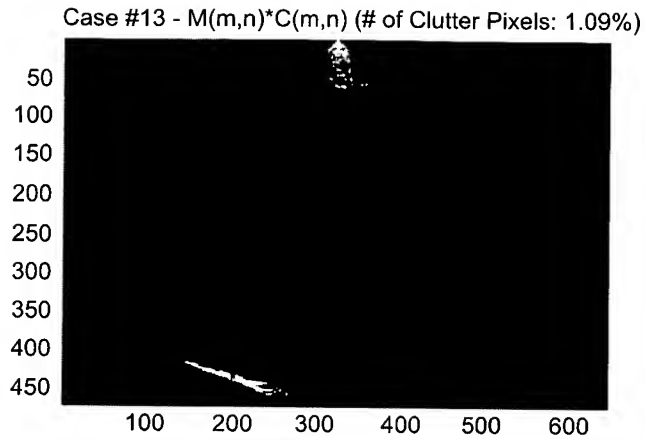


Fig. 36

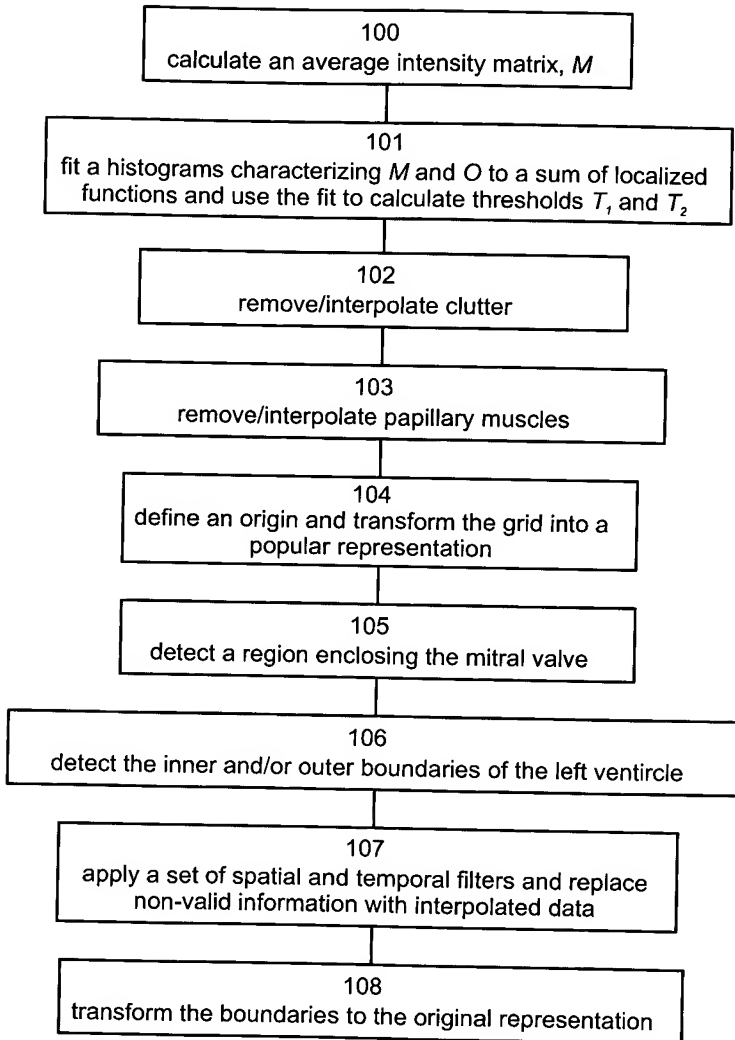


Fig. 37

23/28

$M(m,n) > T_1$

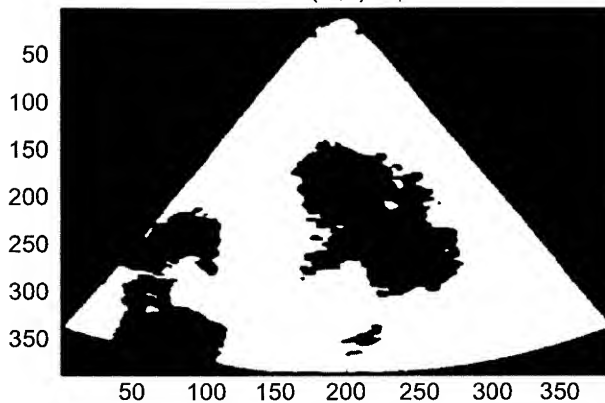


Fig. 38a

$M(m,n) > T_2$

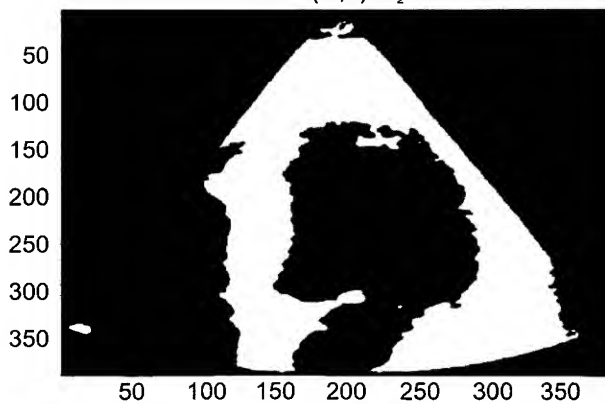


Fig. 38b

BEST AVAILABLE COPY

24/28

$P(m,n)$

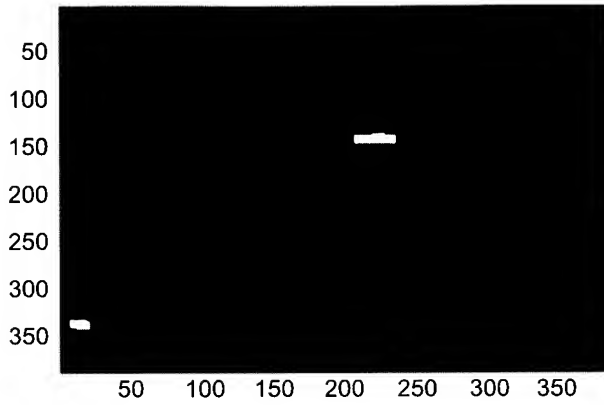


Fig. 39

BEST AVAILABLE COPY

25/28
M(m,n)

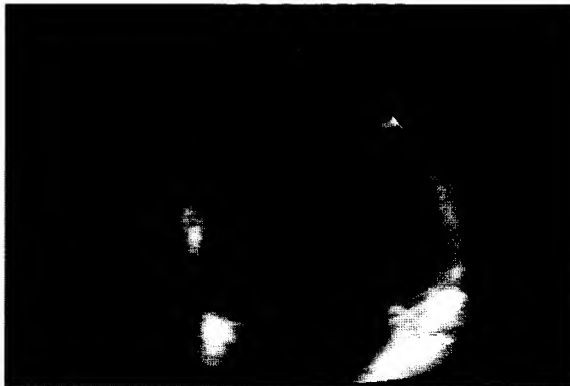


Fig. 40a

Mitral Valve - R01

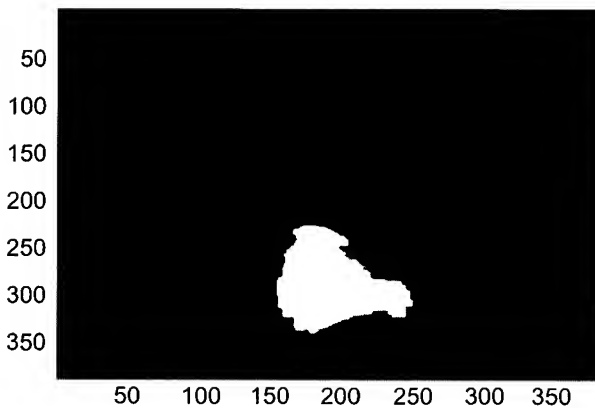


Fig. 40b

BEST AVAILABLE COPY

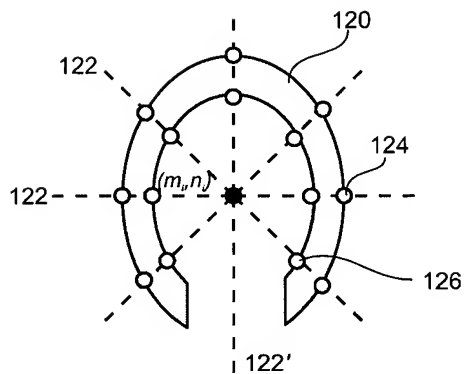


Fig. 41a

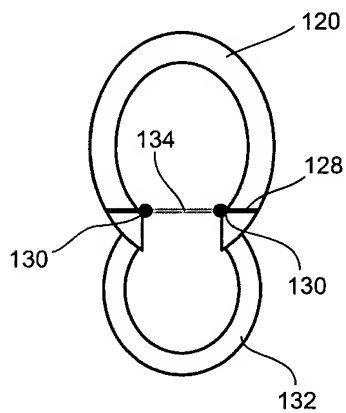


Fig. 41b

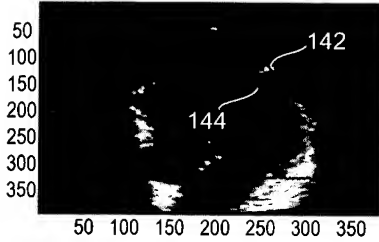


Fig. 42a

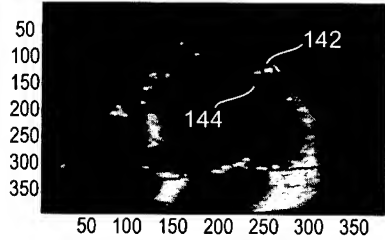


Fig. 42b

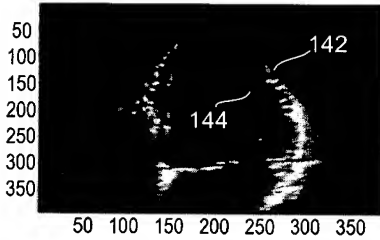


Fig. 42c

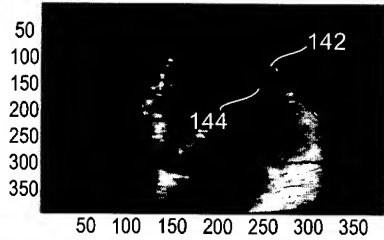


Fig. 42d

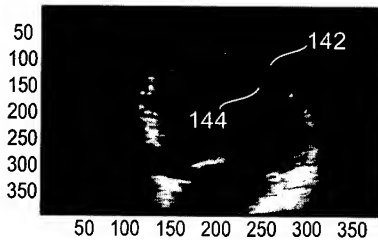


Fig. 42e

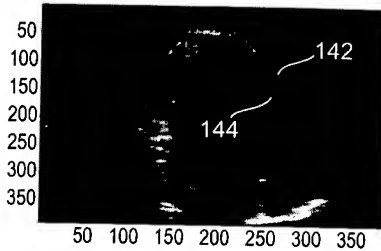


Fig. 43a

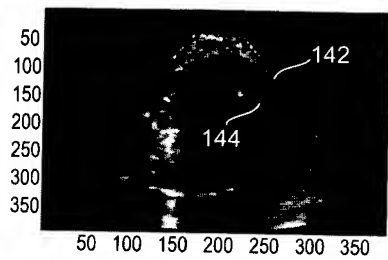


Fig. 43b

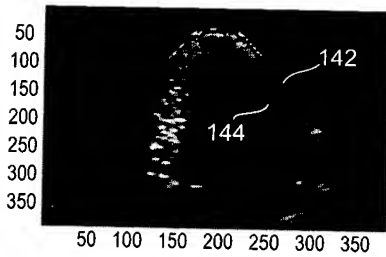


Fig. 43c

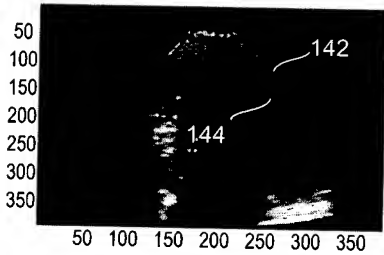


Fig. 43d

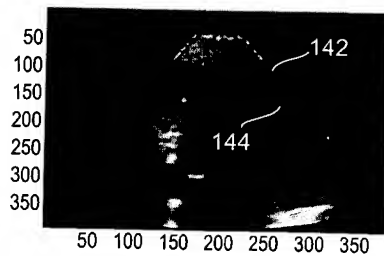


Fig. 43e